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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/943,940	08/31/2001	William E. Hertling	10005105-1	2054

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EXAMINER
BRANCOLINI, JOHN R

ART UNIT	PAPER NUMBER
2153	

DATE MAILED: 12/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/943,940	HERTLING ET AL.	
	Examiner	Art Unit	
	John R Brancolini	2153	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *31 August 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-40* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-40* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *31 August 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claims 1-40 are currently pending in the application.

Priority

No claim for priority has been made. The effective filing date of the application is August 31, 2001.

Information Disclosure Statement

The information disclosure statement (IDS) was submitted on August 31, 2001. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Specification

The disclosure is objected to because of the following informalities:

- Page 11, Line 6 refers to "client computers 820 (1)-(N)". However, in the figures, the client computers are referred to as 720 (1)-(N).

  Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-40 are rejected under 35 U.S.C. 102(e) as being anticipated by Lowry et al. (US Patent 6718371), hereinafter referred to as Lowry.

In regards to claim 1, Lowry discloses a method of establishing an interface between a service and an application comprising:

- Providing a framework, the framework interfacing directly to the service and the framework directly interfacing to the application (figure 2 shows an outline of the Framework, directly interfacing a computer running an application with a computer hosting the XIS API processor which controls the services available, see also col 3 line 45 – col 4 line 4).
- Registering the service with the framework (the XIS API acts as a service "hub" by registering the different applications and services available on the network, col 4 lines 5-22).
- Providing service information from the framework to the application (the framework provides information to each application by utilizing the native APIs of the applications, col 4 lines 11-18).

In regards to claim 2, Lowry discloses providing a configuration file from the service to the framework (col 4 line 54 – col 5 line 24 discusses parsing an XML configuration file describing the service to the framework).

In regards to claims 3 and 7, Lowry discloses the configuration file is written in an extensible markup language (the configuration file discussed above is written in XML, see specifically col 4 lines 54-62).

In regards to claim 4, Lowry discloses the framework processes the configuration file as part of the registering of the service (as the framework is initializing a service, or registering an application for the service, the configuration file is parsed and processed, col 5 lines 16-32).

In regards to claims 5 and 8, Lowry discloses the configuration file is further comprised of extensible style-sheet markup language transformation files (col 4 lines 32-36 discusses the use of style-sheets by the XIS service when analyzing/parsing XML documents).

In regards to claim 6, Lowry discloses the configuration file further comprises:

- Predefined user interfaces (the file includes which individual services need to be loaded for each user interface, col 5 lines 9-11).

- A list of target applications that are supported (each supported and required application is listed, col 5 lines 11-24).
- A list of transformations that are supported (individual document object models are loaded to provided for any transformation of data needed, col 5 lines 16-24).
- A list of application specific handlers (each application needed is handled by the appropriated loaded class of instructions, col 5 lines 25-32).

In regards to claim 9, Lowry discloses a system of establishing an interface between a service and an application comprised of:

- A framework interfacing directly to the service and the application, wherein the framework (figure 2 shows an outline of the Framework, directly interfacing a computer running an application with a computer hosting the XIS API processor which controls the services available, see also col 3 line 45 – col 4 line 4).
- Registers the service (the XIS API acts as a service "hub" by registering the different applications and services available on the network, col 4 lines 5-22).
- Provides service information to the application (the framework provides information to each application by utilizing the native APIs of the applications, col 4 lines 11-18).

In regards to claim 10, Lowry discloses the service provides a configuration file to the framework (col 4 line 54 – col 5 line 24 discusses parsing an XML configuration file describing the service to the framework).

In regards to claims 11 and 15, Lowry discloses the configuration file is written in an extensible markup language (the configuration file discussed above is written in XML, see specifically col 4 lines 54-62).

In regards to claims 12 and 16, Lowry discloses the configuration file is further comprised of extensible style-sheet markup language transformation files (col 4 lines 32-36 discusses the use of style-sheets by the XIS service when analyzing/parsing XML documents).

In regards to claim 13, Lowry discloses the framework processes the configuration file as part of the registering of the service (as the framework is initializing a service, or registering an application for the service, the configuration file is parsed and processed, col 5 lines 16-32).

In regards to claim 14, Lowry discloses the service provides a configuration file to the framework, wherein the configuration file further comprises of:

- Predefined user interfaces (the file includes which individual services need to be loaded for each user interface, col 5 lines 9-11).
- A list of target applications that are supported (each supported and required application is listed, col 5 lines 11-24).

- A list of transformations that are supported (individual document object models are loaded to provided for any transformation of data needed, col 5 lines 16-24).
- A list of application specific handlers (each application needed is handled by the appropriated loaded class of instructions, col 5 lines 25-32).

In regards to claim 17, Lowry discloses a computer system comprising:

- A processor (each computer in Figure 2 has a processor).
- A computer (Figure 2 shows several computers).
- A computer readable medium coupled to the processor (each computer shown in figure 2 has software loaded, including an operating system, stored on computer readable medium).
- Computer code encoded in the computer readable medium, configured to cause the processor to:
  - Providing a framework, the framework interfaced directly to a service and the framework directly interfacing to an application (figure 2 shows an outline of the Framework, directly interfacing a computer running an application with a computer hosting the XIS API processor which controls the services available, see also col 3 line 45 – col 4 line 4).
  - Registering the service to the framework (the XIS API acts as a service "hub" by registering the different applications and services available on the network, col 4 lines 5-22).

- Providing service information from the framework to the application (the framework provides information to each application by utilizing the native APIs of the applications, col 4 lines 11-18).

In regards to claim 18, Lowry discloses providing a configuration file from the service to the framework (col 4 line 54 – col 5 line 24 discusses parsing an XML configuration file describing the service to the framework).

In regards to claims 19 and 23, Lowry discloses the configuration file is written in an extensible markup language (the configuration file discussed above is written in XML, see specifically col 4 lines 54-62).

In regards to claim 20, Lowry discloses the framework process the configuration file as part of registering the service (as the framework is initializing a service, or registering an application for the service, the configuration file is parsed and processed, col 5 lines 16-32).

In regards to claims 21 and 24, Lowry discloses the configuration file is further comprised of extensible style-sheet markup language transformation files (col 4 lines 32-36 discusses the use of style-sheets by the XIS service when analyzing/parsing XML documents).

In regards to claim 22, Lowry discloses the configuration file further comprises:

- Predefined user interfaces (the file includes which individual services need to be loaded for each user interface, col 5 lines 9-11).
- A list of target applications that are supported (each supported and required application is listed, col 5 lines 11-24).
- A list of transformations that are supported (individual document object models are loaded to provided for any transformation of data needed, col 5 lines 16-24).
- A list of application specific handlers (each application needed is handled by the appropriated loaded class of instructions, col 5 lines 25-32).

In regards to claim 25, Lowry discloses an apparatus for establishing an interface between a service and an application comprising:

- Means for providing a framework, the framework interfacing directly to the service and the framework directly interfacing to the application (figure 2 shows an outline of the Framework, directly interfacing a computer running an application with a computer hosting the XIS API processor which controls the services available, see also col 3 line 45 – col 4 line 4).
- Means for registering the service with the framework (the XIS API acts as a service "hub" by registering the different applications and services available on the network, col 4 lines 5-22).

- Means for providing service information from the framework to the application (the framework provides information to each application by utilizing the native APIs of the applications, col 4 lines 11-18).

In regards to claim 26, Lowry discloses means for providing a configuration file from the service to the framework (col 4 line 54 – col 5 line 24 discusses parsing an XML configuration file describing the service to the framework).

In regards to claims 27 and 31, Lowry discloses the configuration file is written in an extensible markup language (the configuration file discussed above is written in XML, see specifically col 4 lines 54-62).

In regards to claim 28, Lowry discloses the framework processes the configuration file as part of the means for registering the service with the framework (as the framework is initializing a service, or registering an application for the service, the configuration file is parsed and processed, col 5 lines 16-32).

In regards to claims 29 and 32, Lowry discloses the configuration file is further comprised of extensible style-sheet markup language transformation files (col 4 lines 32-36 discusses the use of style-sheets by the XIS service when analyzing/parsing XML documents).

In regards to claim 30, Lowry discloses the configuration file farther comprises:

- Predefined user interfaces (the file includes which individual services need to be loaded for each user interface, col 5 lines 9-11).
- A list of target applications that are supported (each supported and required application is listed, col 5 lines 11-24).
- A list of transformations that are supported (individual document object models are loaded to provided for any transformation of data needed, col 5 lines 16-24).
- A list of application specific handlers (each application needed is handled by the appropriated loaded class of instructions, col 5 lines 25-32).

In regards to claim 33, Lowry discloses a computer program product encoded in computer readable media, the Computer program product comprising:

- A first set of instructions, executable on a computer system, configured to provide a framework, the framework interfacing directly to the service and the framework directly interfacing to the application (figure 2 shows an outline of the Framework, directly interfacing a computer running an application with a computer hosting the XIS API processor which controls the services available, see also col 3 line 45 – col 4 line 4).
- A second set of instructions, executable on the computer system configured to register the service with the framework (the XIS API acts as a service "hub" by registering the different applications and services available on the network, col 4 lines 5-22).

- A third set of instructions, executable on the computer system, configured to provide service information from the framework to the application (the framework provides information to each application by utilizing the native APIs of the applications, col 4 lines 11-18).

In regards to claim 34, Lowry discloses a fourth set of instructions, executable on the computer system, configured to provide a configuration file from the service to the framework (col 4 line 54 – col 5 line 24 discusses parsing an XML configuration file describing the service to the framework).

In regards to claims 35 and 39, Lowry discloses the configuration file is written in an extensible markup language (the configuration file discussed above is written in XML, see specifically col 4 lines 54-62).

In regards to claim 36, Lowry discloses the framework processes the configuration file as part of the second set of instructions (as the framework is initializing a service, or registering an application for the service, the configuration file is parsed and processed, col 5 lines 16-32).

In regards to claims 37 and 40, Lowry discloses the configuration file is further comprised of extensible style-sheet markup language transformation files (col 4 lines

32-36 discusses the use of style-sheets by the XIS service when analyzing/parsing XML documents).

In regards to claim 38, Lowry discloses the configuration file further comprises:

- Predefined user interfaces (the file includes which individual services need to be loaded for each user interface, col 5 lines 9-11).
- A list of target applications that are supported (each supported and required application is listed, col 5 lines 11-24).
- A list of transformations that are supported (individual document object models are loaded to provided for any transformation of data needed, col 5 lines 16-24).
- A list of application specific handlers (each application needed is handled by the appropriated loaded class of instructions, col 5 lines 25-32).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Buchanan et al (US Patent 6665674), a framework for processing messages and maintaining devices in a distributed computing environment.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John R Brancolini whose telephone number is (571) 272-3948. The examiner can normally be reached on M-Th 7am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenton Burgess can be reached on (571) 272-3949. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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